

## REMARKS

Claims 1 - 4 are pending in the application. Claims 1 – 4 are rejected. Claims 1 and 4 are amended. New Claim 5 has been added. Claims 1 - 5 remain. Reconsideration of the pending claims is respectfully requested in view of the above amendments and the following remarks.

It is asserted in the Action that Claims 1-4 are rejected under 35 U.S.C. §103(a) as being unpatentable over IEEE (“Qos Based Scheduling for Incorporating Variable Rate Coded Voice in BLUETOOTH”) by Chawla et al. in view of Ward et al. (U.S. Patent No. 5,701,294). In response, Applicant has amended Claims 1 and 4 in order to more particularly point out and distinctly claim the subject matter of the present invention without adding any new matter.

The Examiner indicated that Chawla teaches a method for dynamically and asymmetrically managing synchronous connection-oriented links of the present invention. In particular, “the Bluetooth protocol stack is different for the ACL and SCO links” and “the adaptive  $T_{SCO}$ ” disclosed in Chawla is considered as a way to dynamically and asymmetrically manage SCO links in the present invention.

Chawla discloses QoS based scheduling for incorporating variable rate coded voice in Bluetooth in order that the obtained bandwidth for the ACL link is as large as possible and the obtained bandwidth for the SCO link is as small as possible. Accordingly, the Bluetooth protocol stack is different for the ACL and SCO links. As described in lines 3-4 of Section IV A of Chawla,  $T_{SCO}$  is Time period of slot allocation in the SCO link. In other words, adaptive  $T_{SCO}$  means time period of slot allocation in the SCO link is varied in accordance with the coding rate.

The present invention discloses a method for dynamically and asymmetrically managing SCO links in order to maintain high quality of data transmission. In the present invention, the type of SCO links and the number of the SCO links are varied in accordance with the channel environments. The link type includes definition on packet type, data size, error correction method not only time slot.

Chawla fails to teach or disclose that different types of SCO links are allocated to the channels, and a SCO link is additionally established in accordance with the channel environment, as claimed in Claims 1 and 4. Further, as mentioned above, the link type is different from  $T_{SCO}$  of Chawla.

Consequently, the present invention recited in claims 1 and 4 are patentable over Chawla and Ward. Further, Claims 2-3 and 5 which depend from Claims 1 and 4 are patentably distinguishable over the prior art for the reasons presented above.

In view of the foregoing, it is submitted that all outstanding requirements have been addressed, and the claims pending for examination, namely claims 1 - 5 are now in condition for allowance, which early action is requested.

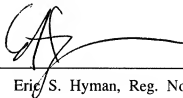
If there are any fees due in connection with the filing of this response, please charge those fees to our Deposit Account No. 02-2666. If a telephone interview would expedite the prosecution of this Application, the Examiner is invited to contact the undersigned at (310) 207-3800.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR, & ZAFMAN

Dated:


11/8/07

  
Eric S. Hyman, Reg. No. 30,139

1279 Oakmead Parkway  
Sunnyvale, California 94085-4040  
Telephone (310) 207-3800  
Facsimile (408) 720-8383

**CERTIFICATE OF TRANSMISSION:**

I hereby certify that this correspondence is being electronically via  
EFS Web on the date shown to the United States Patent and  
Trademark Office.

  
Nedy Calderon

11/8/07  
Date